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<b>EPA</b>		<b>POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION AND PRELIMINARY ASSESSMENT</b>		REGION VI	SITE NUMBER (to be assigned by HQ) TX4383
<p><b>NOTE:</b> This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.</p> <p><b>REVIEWED BY:</b> <u>DG 3/17/81</u></p> <p><b>GENERAL INSTRUCTIONS:</b> Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.</p>					
<b>I. SITE IDENTIFICATION</b>					
A. SITE NAME HARRISON JET GUNS		B. STREET (or other identifier) 1616 McGowen			
C. CITY Houston	D. STATE TX	E. ZIP CODE 77002	F. COUNTY NAME Harris		
G. OWNER/OPERATOR (if known)					
1. NAME Mr. Ted Harrison, Plant Mgr.-Kennedale, TX Mr. P.G. Harrison, Pres.-Houston, TX		2. TELEPHONE NUMBER (817) 478-9216 (713) 652-4894			
H. TYPE OF OWNERSHIP					
<input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN					
I. SITE DESCRIPTION Administrative/Marketing Center for a Kennedale, TX based firm that manufactures and distributes explosive charges for perforating the lining of oil wells. See TX 4391					
J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.) Wapora File "G"				K. DATE IDENTIFIED (mo., day, & yr.) 1/18/80	
L. PRINCIPAL STATE CONTACT					
1. NAME Mr. Milton McDonald, B.A.T.F., Houston		2. TELEPHONE NUMBER (713) 226-5481			
<b>II. PRELIMINARY ASSESSMENT (complete this section last)</b>					
A. APPARENT SERIOUSNESS OF PROBLEM					
<input type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input type="checkbox"/> 3. LOW <input checked="" type="checkbox"/> 4. NONE <input type="checkbox"/> 5. UNKNOWN					
B. RECOMMENDATION					
<input checked="" type="checkbox"/> 1. NO ACTION NEEDED (no hazard) <input type="checkbox"/> 2. IMMEDIATE SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: _____ b. WILL BE PERFORMED BY: _____ <input type="checkbox"/> 3. SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: _____ b. WILL BE PERFORMED BY: _____ <input type="checkbox"/> 4. SITE INSPECTION NEEDED (low priority)					
This report updates EPA form T2070-2 dated Sept. 18, 1980.					
C. PREPARER INFORMATION					
1. NAME Bill Carrothers		2. TELEPHONE NUMBER (214) 742-4522		3. DATE (mo., day, & yr.) Jan. 28, 1981	
<b>III. SITE INFORMATION</b>					
A. SITE STATUS					
<input type="checkbox"/> 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.) <input type="checkbox"/> 2. INACTIVE (Those sites which no longer receive wastes.) <input checked="" type="checkbox"/> 3. OTHER (specify): <u>Not a hazardous waste site.</u> (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)					
B. IS GENERATOR ON SITE?					
<input checked="" type="checkbox"/> 1. NO <input type="checkbox"/> 2. YES (specify generator's four-digit SIC Code): _____					
C. AREA OF SITE (in acres) Approx. 2		D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES			
		1. LATITUDE (deg.-min.-sec.) 29° 44' 37" N		2. LONGITUDE (deg.-min.-sec.) 95° 22' 17" W	
E. ARE THERE BUILDINGS ON THE SITE?					
<input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify): <u>Office building, equipment yard, parking areas.</u>					

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IV. CHARACTERIZATION OF SITE ACTIVITY			
Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.			
A. TRANSPORTER	B. STORER	C. TREATER	D. DISPOSER
1. RAIL	1. PILE	1. FILTRATION	1. LANDFILL
2. SHIP	2. SURFACE IMPOUNDMENT	2. INCINERATION	2. LANDFARM
3. BARGE	3. DRUMS	3. VOLUME REDUCTION	3. OPEN DUMP
4. TRUCK	4. TANK, ABOVE GROUND	4. RECYCLING/RECOVERY	4. SURFACE IMPOUNDMENT
5. PIPELINE	5. TANK, BELOW GROUND	5. CHEM./PHYS. TREATMENT	5. MIDNIGHT DUMPING
6. OTHER (specify):	6. OTHER (specify):	6. BIOLOGICAL TREATMENT	6. INCINERATION
		7. WASTE OIL REPROCESSING	7. UNDERGROUND INJECTION
		8. SOLVENT RECOVERY	8. OTHER (specify):
		9. OTHER (specify):	
E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED No hazardous materials or wastes are manufactured, stored, treated, or disposed of at this site.			

V. WASTE RELATED INFORMATION	
A. WASTE TYPE	
<input type="checkbox"/> 1. UNKNOWN <input type="checkbox"/> 2. LIQUID <input type="checkbox"/> 3. SOLID <input type="checkbox"/> 4. SLUDGE <input type="checkbox"/> 5. GAS    None	
B. WASTE CHARACTERISTICS	
<input type="checkbox"/> 1. UNKNOWN <input type="checkbox"/> 2. CORROSIVE <input type="checkbox"/> 3. IGNITABLE <input type="checkbox"/> 4. RADIOACTIVE <input type="checkbox"/> 5. HIGHLY VOLATILE <input type="checkbox"/> 6. TOXIC <input type="checkbox"/> 7. REACTIVE <input type="checkbox"/> 8. INERT <input type="checkbox"/> 9. FLAMMABLE	
<input checked="" type="checkbox"/> 10. OTHER (specify): N/A	
C. WASTE CATEGORIES	
1. Are records of wastes available? Specify (items such as manifests, inventories, etc.) below. N/A	
2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.	
a. SLUDGE	b. OIL
AMOUNT None	AMOUNT None
UNIT OF MEASURE	UNIT OF MEASURE
c. SOLVENTS	d. CHEMICALS
AMOUNT None	AMOUNT None
UNIT OF MEASURE	UNIT OF MEASURE
e. SOLIDS	f. OTHER
AMOUNT None	AMOUNT None
UNIT OF MEASURE	UNIT OF MEASURE
(1) PAINT, PIGMENTS	(1) OILY WASTES
(2) METALS SLUDGES	(2) OTHER (specify):
(3) POTW	(3) OTHER (specify):
(4) ALUMINUM SLUDGE	(4) OTHER (specify):
(5) OTHER (specify):	(5) OTHER (specify):
	(6) OTHER (specify):
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	(100) OTHER (specify):

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V. WASTE RELATED INFORMATION (continued)				
3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).				
None				
4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.				
None				
VI. HAZARD DESCRIPTION				
A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD	X			
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

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VII. PERMIT INFORMATION			
A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.			
<input type="checkbox"/> 1. NPDES PERMIT	<input type="checkbox"/> 2. SPCC PLAN	<input type="checkbox"/> 3. STATE PERMIT (specify):	
<input type="checkbox"/> 4. AIR PERMITS	<input type="checkbox"/> 5. LOCAL PERMIT	<input type="checkbox"/> 6. RCRA TRANSPORTER	
<input type="checkbox"/> 7. RCRA STORER	<input type="checkbox"/> 8. RCRA TREATER	<input type="checkbox"/> 9. RCRA DISPOSER	
<input checked="" type="checkbox"/> 10. OTHER (specify): <u>BATF License</u>			
B. IN COMPLIANCE?			
<input checked="" type="checkbox"/> 1. YES <input type="checkbox"/> 2. NO <input type="checkbox"/> 3. UNKNOWN			
C. WITH RESPECT TO (list regulation name & number):			
VIII. PAST REGULATORY ACTIONS			
<input checked="" type="checkbox"/> A. NONE <input type="checkbox"/> B. YES (summarize below)			
IX. INSPECTION ACTIVITY (past or on-going)			
<input checked="" type="checkbox"/> A. NONE <input type="checkbox"/> B. YES (complete items 1, 2, 3, & 4 below)			
1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY (EPA/State)	4. DESCRIPTION
X. REMEDIAL ACTIVITY (past or on-going)			
<input checked="" type="checkbox"/> A. NONE <input type="checkbox"/> B. YES (complete items 1, 2, 3, & 4 below)			
1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY (EPA/State)	4. DESCRIPTION
NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.			

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See EPA form T2070-2 dated 11/20/80 (TX4391) for information on the manufacturing facility for this firm.

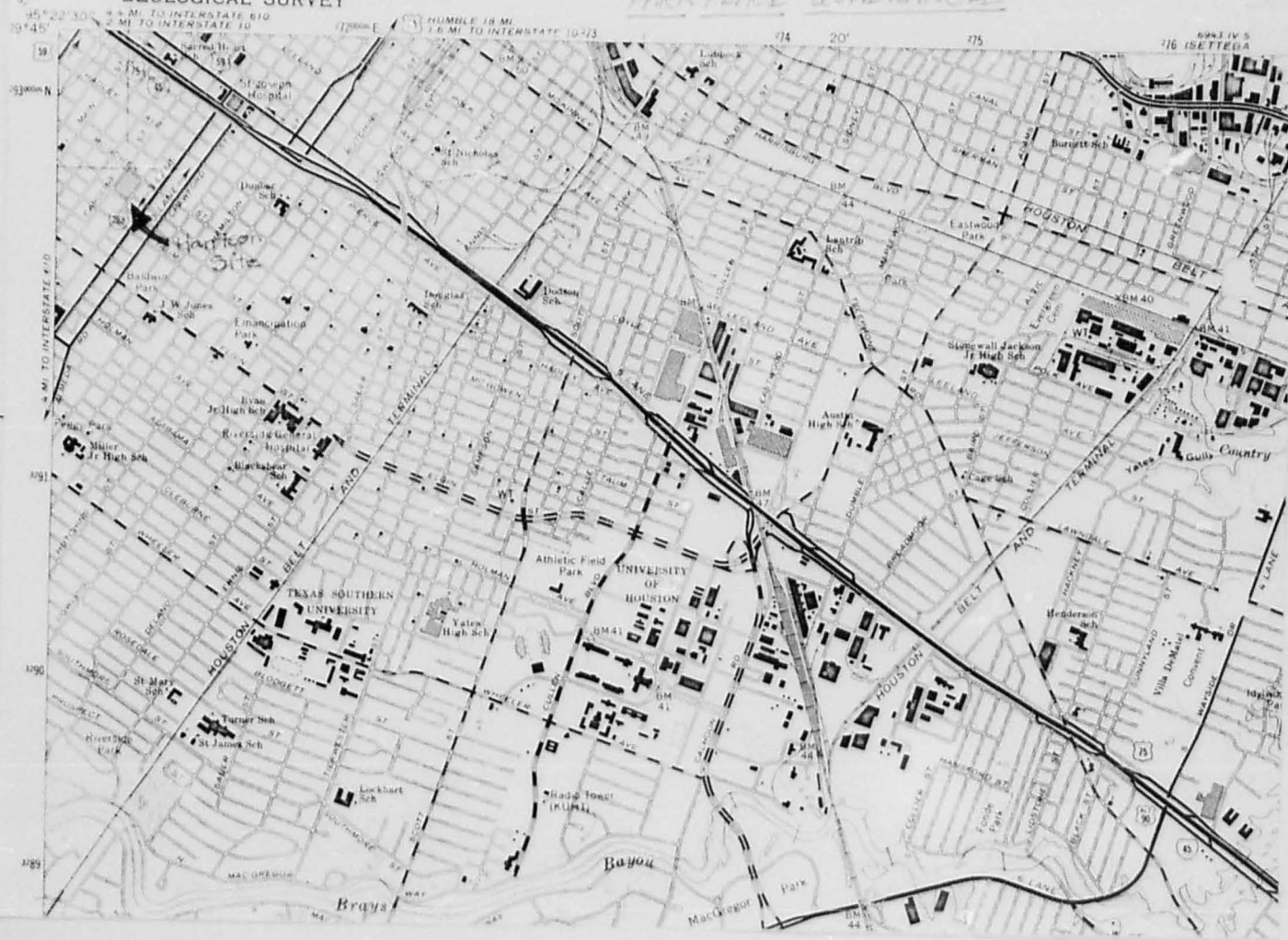
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

PARK PLACE QUADRANGLE



107



Photographer / Witness

CARROTHERS / McDONALD

Date / Time / Direction

JAN. 20, 1981 / 2:30 P.M. / SE

Comments: Office of Harrison  
Equipment Co., and Harrison  
Enterprises on McGOWAN ST.

Photographer / Witness

Date / Time / Direction

Comments: Merck Index  
description of RDX, the  
explosive used by Harrison  
Jet Guns.

Photographer / Witness

Date / Time / Direction

Comments:

2741. Cyclonite. Hexahydro-1,3,5-trinitro-1,3,5-triazine;  
sym-trimethylenetrinitramine; cyclotrimethylenetrinitra-  
mine. 1,3,5-trinitrohexahydro-s-triazine.  $T_m$  RDX. Hexa-  
gen.  $C_3H_3N_6O_6$ , mol wt 222.26. C 16.22%, H 2.72%, N  
37.83%, O 43.22%. Prepd by treating methenamine with  
fuming nitric acid. Henning, Ger. pat. 104,280 (1899); Hale,  
*J. Am. Chem. Soc.* 47, 2754 (1925). Two moles of cyclonite  
can be obtained from one mole of methenamine, if ammoni-  
um nitrate and acetic anhydride are added. Bachmann,  
Sheehan, *J. Am. Chem. Soc.* 71, 1842 (1949). Manuf by au-  
tolytic of hexamethylenetetramine. Ruth, U.S. pat. 3,049,  
543 (1962) to Olin Mathieson. Structure: Wood, *Proc. Int.*  
*Meet. Mol. Spectrosc.* 4th, Bologna, 1958, 2, 953 (1962), C-4  
59, 4681b (1963).



Orthorhombic crystals from acetone, mp 205.2° (lit. 205.2°), d<sub>4</sub><sup>25</sup>  
1.82. One gram dissolves in 25 ml acetone. Slightly sol in  
methanol, ether, ethyl acetate, glacial acetic acid. Practically  
insol in water, carbon tetrachloride, carbon disulfide.  
— High explosive, rat poison. For physical data relat-  
ing to detonation, explosion, and blasting action see M. A.  
Cook, *Science of High Explosives* ACS Monograph no. 139  
(Reinhold, New York, 1958). Caution: Can cause epilep-  
tic seizures. Kapiro et al., *Arch. Environ. Health* 10, 877  
(1965).